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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/851,185	05/07/2001	Christopher W. Smith	4152-399001	2731		
32588	7590 09/26/2003					
	ATERIALS, INC.	EXAMINER				
	BLVD. M/S 2061 RA, CA 95050		MCDONALD, SHANTESE L			
			ART UNIT	PAPER NUMBER		
			3723			
			DATE MAILED: 09/26/2003	9		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No. **09/851,185**

Applicant(s)

Examiner

McDonald, Shantese

Art Unit

3723

Smith

	The M	IAILING DATE of this comm	nunication appears o	on the	e c	over she	et with	the correspondence address
	for Reply							
		STATUTORY PERIOD F		TO E	Χŀ	PIRE	3	_ MONTH(S) FROM
		DATE OF THIS COMMUIT may be available under the provisions		no even	nt. h	nowever, ma	v a reply b	pe timely filed after SIX (6) MONTHS from the
mailing	date of this	communication.						·
- If NO	period for repl		tatutory period will apply a	nd will	өхр	ire SIX (6) f	MONTHS f	rorn the mailing date of this communication.
		in the set or extended period for repl by the Office later than three months	•					
	patent term	adjustment. See 37 CFR 1.704(b).						
Status 1) 💢	Respons	sive to communication(s)	filed on <i>Jun 26, 2</i> 6	003				
2a) 🗌	This act	ion is FINAL .	2b) 💢 This acti	on is	n	on-final.		
3) 🗆		is application is in conditing accordance with the pra						ers, prosecution as to the merits is 11; 453 O.G. 213.
Disposi	tion of Cl	aims						
4) 💢	Claim(s)	1-15, 17, 18, and 20-25	5					is/are pending in the application.
4	la) Of the	above, claim(s)						is/are withdrawn from consideration.
5) 💢	Claim(s)	21-25						is/are allowed.
6) 💢	Claim(s)	1-14 and 20						is/are rejected.
7) 💢	Claim(s)	15, 17, and 18						is/are objected to.
8) 🗌	Claims _					are	subject	to restriction and/or election requirement.
Applica	ition Pape	ers						
9) 🗆	The spec	cification is objected to b	y the Examiner.					•
10)□	The draw	wing(s) filed on	is/are	a) 🗌	a	accepted	or b)[\square objected to by the Examiner.
	Applica	nt may not request that an	y objection to the di	rawin	g(s	s) be held	d in abe	yance. See 37 CFR 1.85(a).
11)□	The prop	posed drawing correction	filed on			is:	a) 🗌 a	approved b) \square disapproved by the Examiner.
	If appro	ved, corrected drawings ar	e required in reply t	o this	s 0	Office act	ion.	
12)	The oath	n or declaration is objecte	ed to by the Exami	ner.				
Priority	under 35	5 U.S.C. §§ 119 and 120	ı					
13)□	3)☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a) [All b)	☐ Some* c)☐ None	e of:					
	1. ☐ Ce	rtified copies of the priori	ty documents have	e bee	en	received	l .	
	2. 🗆 Ce	rtified copies of the priori	ty documents have	e bee	en	received	l in App	olication No
	3. 🗆 Co	pies of the certified copie application from the						eceived in this National Stage
*S	ee the at	tached detailed Office ac	tion for a list of the	e cert	tifi	ed copie	s not re	eceived.
14)	Acknow	ledgement is made of a d	claim for domestic	priori	ity	under 3	5 U.S.	C. § 119(e).
a)[☐ The tra	anslation of the foreign la	inguage provisiona	I арр	lic	ation ha	s been	received.
15)	Acknow	ledgement is made of a d	claim for domestic	priori	ity	under 3	5 U.S.	C. §§ 120 and/or 121.
Attachm				_				·
_		ences Cited (PTO-892)		_				0-413) Paper No(s)
_	2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) Notice of Informal Patent Application (PTO-152)							t Application (PTO-152)
3) [] in	formation Disc	closure Statement(s) (PTO-1449) Pap	per No(s)	6)	Ot	ther:		

Art Unit: 3723

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-14 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Xu et al. in view of Harrington.

Xu et al. teaches a substrate holder, 10, a continuously driven polishing belt, which has a width at least as wide as the substrate holder, 102, having a surface to contact at least a portion of the substrate, 116, held by the substrate holder, a backing member, 108, positioned on a side of the polishing belt opposite to the substrate holder, a fluid layer, (col. 3, lines 1-13), interposed between the backing member and the polishing belt, and an actuator, to urge the substrate and the belt into contact with one another, (col. 2, lines 60-67). Xu et al. also teaches uniformly spaced grooves having a depth of between 0.02 and 0.05 inches, a width between about 0.015 and 0.04 inches and a pitch between 0.09 and 0.24 inches, (col.5, lines 43-46). Xu et al. teaches all the limitations of the claims except for the grooves being oriented substantially perpendicular to the first direction of motion. Harrington teaches a belt with grooves perpendicular to the first direction of motion, (col. 5, lines 50-55). It would have been obvious to one having ordinary skill

Art Unit: 3723

in the art at the time the invention was made, to provide the belt of Xu et al. with perpendicular grooves, as taught by Harrington, in order to enhance the belt's polishing capabilities.

Allowable Subject Matter

3. Claims 15,17 and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

4. Claims 21-25 are allowed.

Response to Arguments

- 5. Applicant's arguments with respect to claims 1-16,19,20 and 24 have been considered but are moot in view of the new ground(s) of rejection.
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shantese McDonald whose telephone number is (703) 308-8722.

Joseph J. Hail, III Supervisory Patent Examiner

Junt q. Halo

Technology Center 3700

S.L.M.